

IN THE CLAIMS

Please amend the Claims as follows:

1. (currently amended): ~~A compound for~~ principle of selective cancer cell-selective chemotherapy delivery system based on different PH in normal and tumor tissues and using a compound of polyion polymers and a cancer specific chemotherapeutic drug with a glucose infusion so that the chemotherapy drug is only delivered to the cancer cell, the delivery system comprising:

a polyion polymer formed in a line from hundreds of units with different amounts of plus and minus radicals, ~~which the polyion polymer takes~~ having a spatial form transformable between a globular closed form in a neutral and low alkaline solution and ~~which polyion polymer takes~~ an open line form in an acid environment;

a chemotherapeutic drug for killing a specific type of cancer cells combined with the polyion polymer to form a compound having a transformable spatial form responsive to the pH of a surrounding solution so that the chemotherapeutic drug is retained in an inactive form within the ~~the~~ polyion polymer in the globular closed form and the chemotherapeutic drug is released in a free active form from the polyion polymer in the open line form;

a glucose solution for causing cancer cells to produce an acid environment, the glucose solution combined with the polyion polymer, the glucose solution and the compound of the polyion polymer and the chemotherapeutic drug ~~capable of being~~ infused into a body containing cancer cells susceptible to treatment by the chemotherapeutic drug so that the glucose solution and the compound of the polyion polymer come in contact with the cancer cells, which produce the cancer cells producing

an acid environment when exposed to the glucose solution, so that the polyion polymer maintains a globular closed form in a neutral and low alkaline environment of normal cells retaining the chemotherapeutic drug in an inactive form in the presence of normal cells and the polyion polymer transforms into the open line form in a glucose induced acid environment of the cancer cells releasing the chemotherapeutic drug in a free active form ~~in~~ to attack and kill the cancer cells thereby selectively attacking the cancer cells and thereby providing a principle of selective cancer chemotherapy delivery system based on different PH in normal and tumor tissues and using a compound of polyion polymers and a cancer specific chemotherapeutic drug with a glucose infusion so that the chemotherapy drug is only delivered to the cancer cell while leaving healthy tissue unharmed.

2. (currently amended): The ~~compound~~ delivery system of claim 1 wherein the glucose solution ~~is capable of producing~~ produces a pH of 6.0 to 4.0 in cancer cells.

3. (currently amended): The ~~compound~~ delivery system of claim 1 wherein the polyion polymer formed is a line from hundreds of units with different amounts of plus and minus radicals comprises polydextrose.

4. (currently amended): The ~~compound~~ delivery system of claim 1 wherein the chemotherapeutic drug comprises nitros-metyl-urea.

5. (withdrawn): A method for cancer cell selective chemotherapy comprising:

a first step of forming a polyion polymer in a line from hundreds of units with different amounts of plus and minus radicals, which polyion polymer takes a globular closed form in a neutral and low alkaline solution and which polyion polymer takes an open line form in an acid environment;

a second step of combining a chemotherapeutic drug with the polyion polymer so that the chemotherapeutic drug is retained in an inactive form within the polyion polymer in the globular closed form and the chemotherapeutic drug is released in a free active form from the polyion polymer in the open line form;

a third step of combining a glucose solution with the polyion polymer and infusing the glucose solution and polyion polymer into a body containing cancer cells, which produce an acid environment when exposed to glucose, so that the polyion polymer maintains a globular closed form in a neutral and low alkaline environment of normal cells retaining the chemotherapeutic drug in an inactive form in the normal cells and the polyion polymer transforms into the open line form in a glucose induced acid environment of the cancer cells releasing the chemotherapeutic drug in a free active form in the cancer cells thereby selectively attacking the cancer cells.

6. (withdrawn): The method of claim 5 wherein the glucose solution is capable of producing a pH of 6.0 to 4.0 in cancer cells.

7. (withdrawn): The method of claim 5 wherein the hundreds of units with different amounts of plus and minus radicals comprises polydextrose.

8. (withdrawn): The method of claim 5 wherein the chemotherapeutic drug comprises nitros-metyl-urea.

9. (new): The delivery system of claim 1 wherein the polyion polymer comprises polydextrose and the chemotherapeutic drug comprises nitros-metyl-urea.